

Comparisons of Job Characteristics

Focus Occupation: **Anesthesiologists (29-1061)**

Associated Occupation: **Physician Assistants (29-1071)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Anesthesiologists (29-1061)

Associated Occupation: Physician Assistants (29-1071)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Medicine and Dentistry	3.7	22.5	25.0	>	Current knowledge level is likely sufficient
Biology	3.7	19.4	20.4	0	Current knowledge level may be sufficient
Psychology	6.4	18.3	13.8	<<	Extensive education and/or training may be required
Customer and Personal Service	11.3	17.9	15.0	<	Expanded education and/or training may be required
Therapy and Counseling	3.8	17.5	7.2	<<	Extensive education and/or training may be required
Chemistry	4.8	11.7	13.1	>	Current knowledge level is likely sufficient
Sociology and Anthropology	4.1	10.2	4.9	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Anesthesiologists (29-1061)

Associated Occupation: Physician Assistants (29-1071)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Reading Comprehension	10.7	15.1	17.0	>	Skill level is likely sufficient
Critical Thinking	10.8	14.6	15.4	0	Current skill level may be sufficient
Judgment and Decision Making	9.4	13.8	14.5	0	Current skill level may be sufficient
Social Perceptiveness	9.1	13.5	12.5	0	Current skill level may be sufficient
Service Orientation	7.9	12.8	11.8	0	Current skill level may be sufficient
Monitoring	9.9	12.6	14.8	>	Skill level is likely sufficient

Science	4.5	12.2	13.9	>	Skill level is likely sufficient
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 94			
Focus Occupation: Anesthesiologists (29-1061) Associated Occupation: Physician Assistants (29-1071)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Comprehension	12.5	16.0	18.2	>	Current ability level is likely sufficient
Problem Sensitivity	11.1	16.0	21.5	>>	Current ability level is likely more than sufficient
Oral Expression	12.4	15.4	15.9	0	Current ability level may be sufficient
Deductive Reasoning	10.6	15.0	17.0	>	Current ability level is likely sufficient
Inductive Reasoning	10.2	15.0	17.9	>	Current ability level is likely sufficient
Written Comprehension	11.0	14.2	15.6	0	Current ability level may be sufficient
Near Vision	11.1	12.8	15.1	>	Current ability level is likely sufficient
Information Ordering	9.9	11.8	13.0	>	Current ability level is likely sufficient
Category Flexibility	9.0	10.8	9.8	<	Some improvement in abilities may be required
Speed of Closure	5.9	8.7	7.4	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 92
Focus Occupation: Anesthesiologists (29-1061) Associated Occupation: Physician Assistants (29-1071)		
Work Activities	Exclusivity of Activity	
Administer injections	60	
Administer medications or treatments	46	
Collect clinical data	56	
Communicate technical information	4	
Conduct complete physical examinations	85	
Conduct patient assessments	69	
Diagnose medical condition of patient	82	
Document medical prognosis	77	
Follow examining room procedures	84	
Interpret medical laboratory test results	72	
Order medical laboratory tests	76	
Perform minor surgery	82	

Prepare patient reports	66
Record medical history or data	68
Take vital signs	56
Understand properties or composition of drugs	64
Use clinical problem solving techniques	69
Use emergency medical procedures	64
Use interpersonal communication techniques	10
Use knowledge of medical terminology	40
Use medical diagnostic techniques	71
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 80

Focus Occupation: Anesthesiologists (29-1061)

Associated Occupation: Physician Assistants (29-1071)

Tools and Technologies	Exclusivity
Acute care monitoring units and related products	22
Anesthesia apparatus and accessories and supplies	47
Blood pressure units and related products	11
Computers	1
Content authoring and editing software	1
Electrocardiography EKG units and related products	20
Emergency medical services resuscitation products	15
Industry specific software	1
Information exchange software	1
Injection and aspiration needles and accessories	25
Intravenous and arterial cannulas and catheters and accessories	29
Intravenous and arterial tubing and administration sets and related products	22
Intravenous infusion pumps and its analyzers and sensors and its accessories	31
Intubation supplies	21
Medical suction and vacuum products	33
Nasogastric tubes	43
Network applications software	1
Pulmonary function testing and treatment products	24
Pulse oximeters	18
Respiratory monitoring products	29
Scopes and specula and accessories for medical exam diagnostic use	23
Specimen collection and transport containers and supplies	14
Stethoscopes and related products	14
Syringes and accessories	14

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.